



OIPE

RAW SEQUENCE LISTING

DATE: 04/26/2002

PATENT APPLICATION: US/09/855,313A

TIME: 11:56:27

Input Set : A:\SEQUENCE LIST.txt

Output Set: N:\CRF3\04262002\I855313A.raw

ENTERED

3 <110> APPLICANT: Strom, Terry B.
 4 Maslinski, Wlodzimierz
 5 Zheng, Xin Xiao
 6 Kim, Yon Su
 7 Lacraz, Sylvie Ferrari
 9 <120> TITLE OF INVENTION: COMPOSITION AND METHOD FOR ACHIEVING IMMUNE SUPPRESSION
 11 <130> FILE REFERENCE: 01948-056001
 13 <140> CURRENT APPLICATION NUMBER: US 09/855,313A
 C--> 14 <141> CURRENT FILING DATE: 2002-04-11
 16 <150> PRIOR APPLICATION NUMBER: US 60/203,801
 17 <151> PRIOR FILING DATE: 2000-05-12
 19 <160> NUMBER OF SEQ ID NOS: 7
 21 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 23 <210> SEQ ID NO: 1
 24 <211> LENGTH: 489
 25 <212> TYPE: DNA
 26 <213> ORGANISM: Homo sapiens
 28 <220> FEATURE:
 29 <221> NAME/KEY: CDS
 30 <222> LOCATION: (1)...(486)
 32 <400> SEQUENCE: 1
 33 atg aga att tcg aaa cca cat ttg aga agt att tcc atc cag tgc tac 48
 34 Met Arg Ile Ser Lys Pro His Leu Arg Ser Ile Ser Ile Gln Cys Tyr
 35 1 5 10 15
 37 ttg tgt tta ctt cta aac agt cat ttt cta act gaa gct ggc att cat 96
 38 Leu Cys Leu Leu Leu Asn Ser His Phe Leu Thr Glu Ala Gly Ile His
 39 20 25 30
 41 gtc ttc att ttg ggc tgt ttc agt gca ggg ctt act aaa aca gaa gcc 144
 42 Val Phe Ile Leu Gly Cys Phe Ser Ala Gly Leu Pro Lys Thr Glu Ala
 43 35 40 45
 45 aac tgg gtg aat gta ata agt gat ttg aaa aaa att gaa gat ctt att 192
 46 Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu Ile
 47 50 55 60
 49 caa tct atg cat att gat gct act tta tat acg gaa agt gat gtt cac 240
 50 Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val His
 51 65 70 75 80
 53 ccc agt tgc aaa gta aca gca atg aag tgc ttt ctc ttg gag tta caa 288
 54 Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln
 55 85 90 95
 57 gtt att tca ctt gag tcc gga gat gca agt att cat gat aca gta gaa 336
 58 Val Ile Ser Leu Glu Ser Gly Asp Ala Ser Ile His Asp Thr Val Glu
 59 100 105 110
 61 aat ctg atc atc cta gca aac aac agt ttg tct tct aat ggg aat gta 384

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62 Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn Val
63      115      120      125
65 aca gaa tct gga tgc aaa gaa tgt gag gaa ctg gag gaa aaa aat att      432
66 Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile
67      130      135      140
69 aaa gaa ttt ttg gac agt ttt gta cat att gtc gac atg ttc atc aac      480
70 Lys Glu Phe Leu Asp Ser Phe Val His Ile Val Asp Met Phe Ile Asn
71 145      150      155      160
73 act tct tga      489
74 Thr Ser
78 <210> SEQ ID NO: 2
79 <211> LENGTH: 162
80 <212> TYPE: PRT
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 2
84 Met Arg Ile Ser Lys Pro His Leu Arg Ser Ile Ser Ile Gln Cys Tyr
85 1      5      10      15
86 Leu Cys Leu Leu Asn Ser His Phe Leu Thr Glu Ala Gly Ile His
87      20      25      30
88 Val Phe Ile Leu Gly Cys Phe Ser Ala Gly Leu Pro Lys Thr Glu Ala
89      35      40      45
90 Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu Ile
91      50      55      60
92 Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val His
93 65      70      75      80
94 Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln
95      85      90      95
96 Val Ile Ser Leu Glu Ser Gly Asp Ala Ser Ile His Asp Thr Val Glu
97      100      105      110
98 Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn Val
99      115      120      125
100 Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile
101      130      135      140
102 Lys Glu Phe Leu Asp Ser Phe Val His Ile Val Asp Met Phe Ile Asn
103 145      150      155      160
104 Thr Ser
109 <210> SEQ ID NO: 3
110 <211> LENGTH: 489
111 <212> TYPE: DNA
112 <213> ORGANISM: Homo sapiens
114 <220> FEATURE:
115 <221> NAME/KEY: CDS
116 <222> LOCATION: (1)...(486)
118 <400> SEQUENCE: 3
119 atg aga att tcg aaa cca cat ttg aga agt att tcc atc cag tgc tac      48
120 Met Arg Ile Ser Lys Pro His Leu Arg Ser Ile Ser Ile Gln Cys Tyr
121 1      5      10      15
123 ttg tgt tta ctt cta aac agt cat ttt cta act gaa gct ggc att cat      96
124 Leu Cys Leu Leu Leu Asn Ser His Phe Leu Thr Glu Ala Gly Ile His

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125          20          25          30
127 gtc ttc att ttg ggc tgt ttc agt gca ggg ctt cct aaa aca gaa gcc      144
128 Val Phe Ile Leu Gly Cys Phe Ser Ala Gly Leu Pro Lys Thr Glu Ala
129          35          40          45
131 aac tgg gtg aat gta ata agt gat ttg aaa aaa att gaa gat ctt att      192
132 Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu Ile
133          50          55          60
135 caa tct atg cat att gat gct act tta tat acg gaa agt gat gtt cac      240
136 Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val His
137 65          70          75          80
139 ccc agt tgc aaa gta aca gca atg aag tgc ttt ctc ttg gag tta caa      288
140 Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln
141          85          90          95
143 gtt att tca ctt gag tcc gga gat gca agt att cat gat aca gta gaa      336
144 Val Ile Ser Leu Glu Ser Gly Asp Ala Ser Ile His Asp Thr Val Glu
145          100          105          110
147 aat ctg atc atc cta gca aac aac agt ttg tct tct aat ggg aat gta      384
148 Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn Val
149          115          120          125
151 aca gaa tct gga tgc aaa gaa tgt gag gaa ctg gag gaa aaa aat att      432
152 Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile
153          130          135          140
155 aaa gaa ttt ttg cag agt ttt gta cat att gtc caa atg ttc atc aac      480
156 Lys Glu Phe Leu Gln Ser Phe Val His Ile Val Gln Met Phe Ile Asn
157 145          150          155          160
159 act tct tga      489
160 Thr Ser
163 <210> SEQ ID NO: 4
164 <211> LENGTH: 162
165 <212> TYPE: PRT
166 <213> ORGANISM: Homo sapiens
168 <400> SEQUENCE: 4
169 Met Arg Ile Ser Lys Pro His Leu Arg Ser Ile Ser Ile Gln Cys Tyr
170 1          5          10          15
171 Leu Cys Leu Leu Leu Asn Ser His Phe Leu Thr Glu Ala Gly Ile His
172          20          25          30
173 Val Phe Ile Leu Gly Cys Phe Ser Ala Gly Leu Pro Lys Thr Glu Ala
174          35          40          45
175 Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu Ile
176          50          55          60
177 Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val His
178 65          70          75          80
179 Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln
180          85          90          95
181 Val Ile Ser Leu Glu Ser Gly Asp Ala Ser Ile His Asp Thr Val Glu
182          100          105          110
183 Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn Val
184          115          120          125
185 Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn Ile

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186      130      135      140
187 Lys Glu Phe Leu Gln Ser Phe Val His Ile Val Gln Met Phe Ile Asn
188 145      150      155      160
189 Thr Ser
192 <210> SEQ ID NO: 5
193 <211> LENGTH: 25
194 <212> TYPE: DNA
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
200 <400> SEQUENCE: 5
201 gqaattcaac tgggtgaatg taata 25
203 <210> SEQ ID NO: 6
204 <211> LENGTH: 26
205 <212> TYPE: DNA
206 <213> ORGANISM: Artificial Sequence
208 <220> FEATURE:
209 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
211 <400> SEQUENCE: 6
212 cgggatacctc aagaagtgtt gatgaa 26
214 <210> SEQ ID NO: 7
215 <211> LENGTH: 60
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Synthetically generated oligonucleotide
222 <400> SEQUENCE: 7
223 cgggatacctc aagaagtgtt gatgaacatg tcgacaatat gtacaaaact gtccaaaaat 60

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VERIFICATION SUMMARY

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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date